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Proposed programme budget for the biennium 1996-1997*

Part IV International cooperation for development

Section 11
United Nations Environment Programme

Contents

Page

Overview 1

A. Policy-making organs 4

B. Executive direction and management 6

C. Programme of work 11

* The present document contains section 11 of the proposed programme budget for the biennium 1996-1997. The complete proposed programme budget will subsequently be issued in final printed form as *Official Records of the General Assembly, Fiftieth Session, Supplement No. 6* (A/50/6/Rev.1).

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Section 11
United Nations Environment Programme

Overview

11.1 The United Nations Environment Programme was created by the General Assembly by its resolution 2997 (XXVII) of 15 December 1972, establishing the Governing Council of UNEP, a small secretariat to serve as a focal point for environmental action and coordination within the United Nations system and the Environment Fund. Its mandate has been confirmed through various legislative measures both by the General Assembly and the Governing Council of UNEP. Agenda 21 has also established actions that UNEP should undertake to contribute to its implementation.

11.2 The environment programme responds to and is basically structured to cover environmental assessment and environmental management and institution- and capacity-building. Under environmental assessment, also referred to as Earthwatch, principal activities are data collection, exchange, evaluation, review and reporting. The Global Environmental Monitoring System (GEMS) is the mechanism for global monitoring and assessment; the Global Resource Information Database (GRID) the mechanism for data and information management; and INFOTERRA and the International Register of Potentially Toxic Chemicals focus on information exchange in general terms and on potentially toxic chemicals, respectively. Environmental data and statistics in support of UNEP are handled in this area. The results of assessments are used in environmental management and transmitted to Governments as a basis for policy decisions.

11.3 Environmental management deals with the preparation of methodologies and actions to prevent and address environmental problems in matters related to the following areas: oceans and coastal areas, focusing on a globally integrated set of action plans for regional seas; desertification; industry, transportation and energy, impact of technology on the environment, human settlements and health; and terrestrial ecosystems, which include soils, forests, biodiversity, including wildlife, genetic resources, fresh water resources, management of agricultural chemicals and residues.

11.4 Under institution- and capacity-building, supporting measures are undertaken to supplement and ensure the success of the above activities. Environmental law and institutions addresses the development of legal principles and instruments. Environmental education and training, information and advisory services constitute important assets for environmental assessment and environmental management, aiming at developing capable human resources and institutions in the field of the environment, promoting the growth of public awareness of environmental problems and responding to the specific problem-solving needs of Governments. In the area of environment and economics, UNEP catalyses the development and application of methodologies for the valuation of environmental goods and services, natural resource accounting, environmental impact assessment and cost-benefit analysis for environmental management, as well as the relationship between trade and the environment.

11.5 The proposal for 1996-1997 reflects a negative growth of $784,900, or 8.1 per cent, mainly on account of reduced requirements for conference services for the Governing Council and the abolition of one P-5 post and reduced consultancy and travel requirements in respect of the United Nations Scientific Committee on the Effects of Atomic Radiation (UNSCEAR).

11.6 In line with the establishment of the United Nations Office at Nairobi, administrative support previously provided for separately under the United Nations Centre for Human Settlement (Habitat) and UNEP have been consolidated under section 26H, Administration, Nairobi. The resources amounting to $4,589,500

appropriated in 1994-1995 under programme support in section 12A, United Nations Environment Programme, are included under section 26H.

11.7 The estimated percentage distribution of the total resources under section 11 for the 1996-1997 biennium would be as follows:

		Regular budget	*Extra-budgetary*
		(percentage)	
A.	Policy-making organs	15.5	—
B.	Executive direction and management	45.7	8.1
C.	Programme of work	38.8	91.9
	Total	**100.0**	**100.0**

Table 11.1 **Summary of requirements by programme**
(Thousands of United States dollars)

(1) *Regular budget*

Programme		*1992-1993 expenditures*	*1994-1995 appropriations*	*Resource growth*		*Total before recosting*	*Recosting*	*1996-1997 estimates*
				Amount	*Percentage*			
A.	Policy-making organs	2 281.8	1 792.7	(380.1)	(21.2)	1 412.6	138.3	1 550.9
B.	Executive direction and management	4 228.3	4 250.8	(125.8)	(2.9)	4 125.0	441.6	4 566.6
C.	Programme of work	2 582.2	3 644.9	(279.0)	(7.6)	3 365.9	502.7	3 868.6
	Total	**9 092.3**	**9 688.4**	**(784.9)**	**(8.1)**	**8 903.5**	**1 082.6**	**9 986.1**

(2) *Extrabudgetary resources*

1992-1993 expenditures	*1994-1995 estimates*	*Source of funds*	*1996-1997 estimates*
		(a) Services in support of:	
—	—	(i) United Nations organizations	—
1 259.3	2 300.3	(ii) Extrabudgetary activities	5 552.8
		(b) Substantive activities	
28 982.9	43 040.6	General trust funds	40 041.4
19 406.0	25 697.9	Environment Fund	21 731.5
		(c) Operational projects	
94 600.7	120 000.0	Environment Fund	105 000.0
31 341.0	42 339.3	Technical cooperation trust funds	49 003.1
175 589.9	**233 378.1**	**Total**	**221 328.8**
184 682.2	**243 066.5**	**Total (1) and (2)**	**231 314.9**

Table 11.2 Summary by object of expenditure

(Thousands of United States dollars)

(1) *Regular budget*

Object of expenditure	*1992-1993 expenditures*	*1994-1995 appropriations*	*Resource growth*		*Total before recosting*	*Recosting*	*1996-1997 estimates*
			Amount	*Percentage*			
Posts	6 037.6	7 143.7	(279.0)	(3.9)	6 864.7	847.9	7 712.6
Other staff costs	2 133.3	1 705.8	(405.5)	(23.7)	1 300.3	83.5	1 383.8
Consultants and experts	246.1	298.9	(63.8)	(21.3)	235.1	49.1	284.2
Travel	324.6	350.6	(77.0)	(21.9)	273.6	40.4	314.0
Contractual services	161.7	29.5	1.6	5.4	31.1	10.0	41.1
General operating expenses	169.4	103.1	48.5	47.0	151.6	39.6	191.2
Supplies and materials	14.9	56.8	(12.2)	(21.4)	44.6	12.0	56.6
Equipment	4.7	—	2.5	—	2.5	0.1	2.6
Total	**9 092.3**	**9 688.4**	**(784.9)**	**(8.1)**	**8 903.5**	**1 082.6**	**9 986.1**

(2) *Extrabudgetary resources*

1992-1993 expenditures	*1994-1995 estimates*	*Object of expenditure*	*1996-1997 estimates*
63 511.0	87 625.7	Posts	81 599.0
1 602.2	3 398.3	Other staff costs	4 136.8
13 590.4	18 947.0	Consultants and experts	17 350.7
9 213.2	12 463.5	Travel	13 348.7
35 736.4	39 995.3	Contractual services	38 898.6
18 932.7	21 948.3	General operating expenses	21 003.2
2 158.5	3 531.2	Supplies and materials	3 623.4
4 117.4	5 261.4	Furniture	4 679.1
1 161.2	1 460.6	Equipment	1 780.4
—	15.0	Improvements to premises	—
25 566.9	38 731.8	Other expenditures	34 908.9
175 589.9	**233 378.1**		**221 328.8**
184 682.2	**243 066.5**		**231 314.9**

Table 11.3 **Post requirements**

Organizational unit: United Nations Environment Programme

	Established posts		*Temporary posts*					
	Regular budget		*Regular budget*		*Extrabudgetary resources*		*Total*	
	1994-1995	*1996-1997*	*1994-1995*	*1996-1997*	*1994-1995*	*1996-1997*	*1994-1995*	*1996-1997*
Professional category and above								
USG	1	1	—	—	—	—	1	1
ASG	—	—	—	—	1	1	1	1
D-2	3	3	—	—	18	17	21	20
D-1	1	1	—	—	37	36	38	37
P-5	7	6	—	—	79	78	86	84
P-4/3	10	10	—	—	178	172	188	182
P-2/1	1	1	—	—	64	63	65	64
Total	**23**	**22**	**—**	**—**	**377**	**367**	**400**	**389**
General Service category								
Principal level	1	1	—	—	3	3	4	4
Other levels	5	5	—	—	147	128	152	133
Total	**6**	**6**	**—**	**—**	**150**	**131**	**156**	**137**
Other categories								
Local level	14	14	—	—	293	293	307	307
Total	**14**	**14**	**—**	**—**	**293**	**293**	**307**	**307**
Grand total	**43**	**42**	**—**	**—**	**820**	**791**	**863**	**833**

A. Policy-making organs

Table 11.4 **Summary of requirements by programme**
(Thousands of United States dollars)

Programme	*1992-1993 expenditures*	*1994-1995 appropriations*	*Resource growth*		*Total before recosting*	*Recosting*	*1996-1997 estimates*
			Amount	*Percentage*			
Governing Council	2 281.8	1 792.7	(380.1)	(21.2)	1 412.6	138.3	1 550.9
Total	**2 281.8**	**1 792.7**	**(380.1)**	**(21.2)**	**1 412.6**	**138.3**	**1 550.9**

Table 11.5 **Summary by object of expenditure**
(Thousands of United States dollars)

Object of expenditure	1992-1993 expenditures	1994-1995 appropriations	Resource growth		Total before recosting	Recosting	1996-1997 estimates
			Amount	Percentage			
Other staff costs	2 064.2	1 614.2	(410.5)	(25.4)	1 203.7	77.4	1 281.1
Travel	36.6	10.6	(5.9)	(55.6)	4.7	0.8	5.5
Contractual services	10.0	29.5	—	—	29.5	9.9	39.4
General operating expenses	161.0	86.2	48.5	56.2	134.7	38.6	173.3
Supplies and materials	10.0	52.2	(12.2)	(23.3)	40.0	11.6	51.6
Total	**2 281.8**	**1 792.7**	**(380.1)**	**(21.2)**	**1 412.6**	**138.3**	**1 550.9**

11.8 The Governing Council, consisting of 58 members, is the policy-making organ of UNEP. In its resolution 48/174 of 21 December 1993, the General Assembly endorsed decision 17/35 of the Council to maintain a biennial cycle of meetings, while special sessions would be convened only as deemed necessary. As a result, the resources reflected under this programme relate to the regular session of the Governing Council in 1997 only.

Resource requirements (at current rates)

Other staff costs

11.9 The estimated requirements of $1,203,700 relate to the provision of temporary assistance for meetings, of which $1,161,700 is to provide for the cost of temporary conference servicing staff who would be brought to Nairobi in connection with the preparations for and servicing of the Council and $42,000 for overtime. The reduction of $410,500 under temporary assistance for meetings is due to efforts to rationalize preparations for the Council.

Travel

11.10 An amount of $4,700 would be required to meet the travel cost of staff from the Regional Office for North America to attend the nineteenth regular session of the Council. The reduction of $5,900 relates to the existing provision for the participation of liberation movements in the work of the Council, which would no longer be required.

Contractual services

11.11 The estimated amount of $29,500 relates to external translation that cannot be provided in-house.

General operating expenses and supplies and materials

11.12 The estimated requirements under this heading ($174,700) relate to general operating expenses, broken down as follows: (a) rental and maintenance of equipment, including the hiring of minibuses with drivers for local transportation, cleaning, maintenance and backup service for generator and electronic data-processing equipment ($81,200); (b) the dispatch of documentation to members of the Council ($30,000); (c) official function to be hosted by the President of the Council and the Executive Director of UNEP during the regular session ($4,700); (d) miscellaneous services, including sound technicians and engineers for the operation of the simultaneous interpretation equipment ($18,800); and (e) supplies and materials to cover the cost of paper, darkroom supplies and spare parts for duplicating machines for the pre-, in- and post-session Governing Council documentation ($40,000).

B. Executive direction and management

Table 11.6 **Summary by object of expenditure**
(Thousands of United States dollars)

(1) *Regular budget*

Object of expenditure	*1992-1993 expenditures*	*1994-1995 appropriations*	*Resource growth*		*Total before recosting*	*Recosting*	*1996-1997 estimates*
			Amount	*Percentage*			
Posts	3 084.2	3 131.7	—	—	3 131.7	332.2	3 463.9
Other staff costs	41.6	70.4	—	—	70.4	3.6	74.0
Consultants and experts	34.6	—	—	—	—	—	—
Travel	34.0	98.6	—	—	98.6	18.9	117.5
General operating expenses	8.5	16.9	—	—	16.9	1.0	17.9
Supplies and materials	1.5	4.6	—	—	4.6	0.4	5.0
Total	**3 204.4**	**3 322.2**	**—**	**—**	**3 322.2**	**356.1**	**3 678.3**

(2) *Extrabudgetary resources*

1992-1993 expenditures	*1994-1995 estimates*	*Source of funds*	*1996-1997 estimates*
		(a) Services in support of:	
—	—	(i) United Nations organizations	—
—	—	(ii) Extrabudgetary activities	—
		(b) Substantive activities	
11 699.4	15 042.0	Environment Fund	17 952.0
—	—	(c) Operational projects	—
11 699.4	**15 042.0**		**17 952.0**
14 903.8	**18 364.2**		**21 630.3**

Table 11.7 **Post requirements**

Programme: Executive direction and management

	Established posts		*Temporary posts*					
	Regular budget		*Regular budget*		*Extrabudgetary resources*		*Total*	
	1994-1995	*1996-1997*	*1994-1995*	*1996-1997*	*1994-1995*	*1996-1997*	*1994-1995*	*1996-1997*
Professional category and above								
USG	1	1	—	—	—	—	1	1
ASG	—	—	—	—	—	1	—	1
D-2	1	1	—	—	6	6	7	7
D-1	—	—	—	—	3	4	3	4
P-5	4	4	—	—	7	8	11	12
P-4/3	3	3	—	—	11	16	14	19
P-2/1	—	—	—	—	2	2	2	2
Total	**9**	**9**	**—**	**—**	**29**	**37**	**38**	**46**
General Service category								
Other levels	4	4	—	—	—	—	4	4
Total	**4**	**4**	**—**	**—**	**—**	**—**	**4**	**4**
Other categories								
Local level	6	6	—	—	52	58	58	64
Total	**6**	**6**	**—**	**—**	**52**	**58**	**58**	**64**
Grand total	**19**	**19**	**—**	**—**	**81**	**95**	**100**	**114**

1. Office of the Executive Director and regional representation

11.13 Executive direction and management comprises three programmes: Office of the Executive Director; regional representation; and management of the Fund. The Executive Director is responsible for the provision of overall management, leadership and supervision for the elaboration and implementation of the activities falling within the mandate of UNEP.

11.14 The Office of the Executive Director is responsible for policy matters requiring the attention of the Executive Director and for ensuring a proper flow of information between the Executive Director and the various offices.

11.15 Regional representation relates to the functions of the Regional Office for North America in New York, the Regional Office for Europe in Geneva and the other regional offices in Bangkok, Manama, Mexico City and Nairobi.

11.16 The primary task of the regional offices is to foster and promote the goals and objectives of UNEP and to maintain liaison and cooperation with government authorities, public and private institutions and organized groups of individuals at all levels. The offices ensure coordination with United Nations organizations, including regional commissions, on all matters of common interest.

Resource requirements (at current rates)

Posts

11.17 The estimated requirements under this heading ($3,131,700) relate to the cost of 9 Professional and 10 General Service (Other level) posts located at UNEP headquarters and the New York and Geneva Offices.

Other staff costs

11.18 The estimated requirements of $70,400 relate to (a) general temporary assistance ($35,500) and overtime ($7,300) for the New York Office, and (b) general temporary assistance ($22,900) and for overtime ($4,700) for the Geneva Office.

Travel

11.19 The estimated requirements of $98,600 relate to (a) travel of the Executive Director to attend meetings of United Nations bodies, conferences and panels; consultations with Governments and officials at United Nations Headquarters, with UNDP, the specialized agencies and the regional commissions; and representation at meetings and conferences of intergovernmental and non-governmental organizations ($74,900); and (b) travel of staff of the Regional Offices for North America ($11,500) and Europe ($12,200).

General operating expenses and supplies and materials

11.20 The estimated requirements of $21,500 relate to (a) the cost of communications ($11,500) and supplies and materials ($2,500) at the New York Office, and (b) the cost of communications ($5,400) and supplies and materials ($2,100) at the Geneva Office.

2. Management of the Environment Fund

Table 11.8 **Summary by object of expenditure**
(Thousands of United States dollars)

Extrabudgetary resources

	1992-1993 expenditures	*1994-1995 estimates*	*Source of funds*	*1996-1997 estimates*
			(a) Services in support of:	
	—	—	(i) United Nations organizations	—
	—	—	(ii) Extrabudgetary activities	—
			(b) Substantive activities	
	2 579.2	3 654.8	Environment Fund	3 779.5
	—	—	(c) Operational projects	—
Total	**2 579.2**	**3 654.8**		**3 779.5**

Table 11.9 **Post requirements**

Programme: Management of the Environment Fund

	Established posts		Temporary posts					
	Regular budget		Regular budget		Extrabudgetary resources		Total	
	1994-1995	1996-1997	1994-1995	1996-1997	1994-1995	1996-1997	1994-1995	1996-1997
Professional category and above								
ASG	—	—	—	—	1	—	1	—
D-2	—	—	—	—	1	1	1	1
D-1	—	—	—	—	1	1	1	1
P-5	—	—	—	—	1	2	1	2
P-4/3	—	—	—	—	12	13	12	13
P-2	—	—	—	—	1	1	1	1
Total	—	—	—	—	**17**	**18**	**17**	**18**
Other categories								
Local level	—	—	—	—	19	22	19	22
Total	—	—	—	—	**19**	**22**	**19**	**22**
Grand total	—	—	—	—	**36**	**40**	**36**	**40**

11.21 In accordance with the provisions of General Assembly resolution 2997 (XXVII), the management and administration of the Environment Fund is the responsibility of the Executive Director under the authority and policy guidance of the Governing Council.

3. United Nations Scientific Committee on the Effects of Atomic Radiation

Table 11.10 **Summary by object of expenditure**
(Thousands of United States dollars)

Object of expenditure	1992-1993 expenditures	1994-1995 appropriations	Resource growth		Total before recosting	Recosting	1996-1997 estimates
			Amount	Percentage			
Posts	486.7	537.5	—	—	537.5	62.5	600.0
Other staff costs	27.5	21.2	5.0	23.5	26.2	2.5	28.7
Consultants and experts	124.6	168.5	(63.8)	(37.8)	104.7	9.2	113.9
Travel	225.4	201.4	(71.1)	(35.3)	130.3	11.1	141.4
Contractual services	151.6	—	1.6	—	1.6	0.1	1.7
Supplies and materials	3.4	—	—	—	—	—	—
Equipment	4.7	—	2.5	—	2.5	0.1	2.6
Total	**1 023.9**	**928.6**	**(125.8)**	**(13.5)**	**802.8**	**85.5**	**888.3**

Table 11.11 **Post requirements**

Programme: United Nations Scientific Committee on the Effects of Atomic Radiation

	Established posts		*Temporary posts*					
	Regular budget		*Regular budget*		*Extrabudgetary resources*		*Total*	
	1994-1995	*1996-1997*	*1994-1995*	*1996-1997*	*1994-1995*	*1996-1997*	*1994-1995*	*1996-1997*
Professional category and above								
D-1	1	1	—	—	—	—	1	1
Total	1	1	—	—	—	—	1	1
General Service category								
Principal level	1	1	—	—	—	—	1	1
Other levels	1	1	—	—	—	—	1	1
Total	2	2	—	—	—	—	2	2
Grand total	3	3	—	—	—	—	3	3

11.22 The United Nations Scientific Committee on the Effects of Atomic Radiation (UNSCEAR) was established by the General Assembly by its resolution 913 (X) of 3 December 1955 to undertake compilation and distribution of scientific data on the impact of ionizing radiation on man and the environment. The continued renewal of the Committee's mandate by the Assembly reflects the concerns of Member States regarding exposure to radiation and its effects and thus the continued need for further data, analysis and interpretation by the Committee.

11.23 Located at Vienna, the secretariat of UNSCEAR is responsible for servicing the annual sessions of the Committee and for the preparation of scientific documents requested by the Committee. The UNSCEAR report is issued every four or five years, with comprehensive reports submitted to the General Assembly on an annual basis. A series of scientific studies has begun with the anticipated publication of the report during the biennium 1998-1999.

11.24 During the biennium 1996-1997, the UNSCEAR secretariat will continue its work with a primary focus on the publication of the following technical documentation: (a) sources of radiation exposure — natural, man-made, medical, occupational; (b) models for environmental behaviour and doses of selected radionuclides; (c) effects of radiation on the natural environment; (d) DNA repair and mutagenesis; (e) hereditary effects of radiation; (f) epidemiological studies of radiation effects; (g) combined effects of radiation and other agents; and (h) Chernobyl: local doses and effects.

Resource requirements (at current rates)

Posts

11.25 The estimated requirements under this heading ($537,500) relate to the cost of one D-1 and two General Service posts.

Other staff costs

11.26 The estimated amount of $26,200 relates to overtime. The increase of $5,000 is based on analysis of past expenditure patterns.

Consultants and experts

11.27 The estimated requirements of $104,700 relate to fees for consultants to assist the secretariat of UNSCEAR in the preparation of documentation for consideration by the Committee. A decrease of $63,800 reflects reduced requirements for the biennium 1996-1997.

Travel

11.28 The requirements of $130,300 relate to participation of the representatives of the 21 States members of UNSCEAR in the 1996 and 1997 sessions of the Committee ($115,900) and to the participation of the secretary of UNSCEAR in scientific and inter-agency meetings ($14,400). The reduction of $71,100 is based on the results of a review of the travel entitlements of representatives to the sessions of the Committee.

Contractual services

11.29 The estimated amount of $1,600 relates to the cost of binding of scientific publications and journals.

Equipment

11.30 The estimated requirements under this heading ($2,500) relate to the replacement of office equipment and the upgrading of software.

C. Programme of work

Table 11.12 **Summary by object of expenditure**
(Thousands of United States dollars)

(1) *Regular budget*

Object of expenditure	*1992-1993 expenditures*	*1994-1995 appropriations*	*Resource growth*		*Total before recosting*	*Recosting*	*1996-1997 estimates*
			Amount	*Percentage*			
Posts	2 466.7	3 474.5	(279.0)	(8.0)	3 195.5	453.2	3 648.7
Consultants and experts	86.9	130.4	—	—	130.4	39.9	170.3
Travel	28.6	40.0	—	—	40.0	9.6	49.6
Total	**2 582.2**	**3 644.9**	**(279.0)**	**(7.6)**	**3 365.9**	**502.7**	**3 868.6**

(2) *Extrabudgetary resources*

1992-1993 expenditures	*1994-1995 estimates*	*Source of funds*	*1996-1997 estimates*
		(a) Services in support of:	
—	—	(i) United Nations organizations	—
1 259.3	2 300.3	(ii) Extrabudgetary activities	5 552.8
		(b) Substantive activities	
28 982.9	43 040.6	General trust funds	40 041.4
5 127.4	7 001.1	Environment Fund	—
		(c) Operational projects	
94 600.7	120 000.0	Environment Fund	105 000.0
		Technical cooperation trust funds	
		Trust Fund to Finance Developing Countries to Take Action in	
—	994.4	Accordance with Agenda 21	350.0
		Trust Fund to Provide Consultancies	
751.0	151.1	to Developing Countries	—
		Trust Fund to Strengthen the	
249.1	577.7	Capacities of Developing Countries	—
		Trust Fund to Strengthen the Institutional and Regulatory	
—	1 884.8	Capacities of Developing Countries	—
		Trust Fund for Control of Environmental	
40.3	—	Health Hazards	—
		Trust Fund on Environmental Awareness	
74.4	218.2	and Machinery	74.0

1992-1993 expenditures	1994-1995 estimates	Source of funds	1996-1997 estimates
6 867.3	8 789.0	Trust Fund for UNEP's Implementation of the Activities Funded by the Global Environment Facility	17 578.0
76.8	250.0	Trust Fund to Provide Experts to UNEP/GRID	—
3 192.8	3 508.7	Trust Fund for UNEP's Implementation of the Multilateral Fund Activities Funded by the Interim Multilateral Fund	3 857.8
458.8	525.3	Trust Fund to Assist the Implementation of the Montreal Protocol on Substances that Deplete the Ozone Layer	108.5
99.9	67.8	INFOTERRA Trust Fund	—
389.4	3 315.4	Trust Fund for the Establishment of an International Environmental Technology Centre in Japan	4 407.0
—	—	Trust Fund to Develop and Coordinate the Implementation of the Plan, Survey and Assessment	229.3
—	707.9	Trust Fund to Support National Land Degradation and Assessment and Mapping in Kenya	—
207.0	737.9	Trust Fund to Promote Technical Cooperation and Assistance in Industrial, Environmental and Raw Material Management	324.3
357.8	39.6	Trust Fund for the Integrated Pilot Project on Environmental Management and Protection of the the Andean Ecosystems	—
714.3	565.0	Trust Fund for Financing a New International Environmental Prize	678.0
851.6	644.1	Trust Fund to Assist Developing Countries to take Action for the Protection of the Ozone Layer	705.1
13 876.0	15 700.0	Counterpart contributions	16 820.0
715.3	—	Trust Fund for the Establishment of a GRID Centre in Arendal	—
1 165.0	1 647.5	Trust Fund for Financing Professional Officers	1 637.5
1 254.2	2 014.8	Trust Fund for Financing Junior Professionals	2 233.6
161 311.3	**214 681.2**		**199 597.3**
163 893.5	**218 326.1**		**203 465.9**

Table 11.13 **Post requirements**

Programme: Programme of work

	Established posts		*Temporary posts*					
	Regular budget		*Regular budget*		*Extrabudgetary resources*		*Total*	
	1994-1995	*1996-1997*	*1994-1995*	*1996-1997*	*1994-1995*	*1996-1997*	*1994-1995*	*1996-1997*
Professional category and above								
D-2	2	2	—	—	11	10	13	12
D-1	—	—	—	—	33	31	33	31
P-5	3	2	—	—	71	68	74	70
P-4/3	7	7	—	—	155	143	162	150
P-2/1	1	1	—	—	61	60	62	61
Total	**13**	**12**	**—**	**—**	**331**	**312**	**344**	**324**
General Service category								
Principal level	—	—	—	—	3	3	3	3
Other levels	—	—	—	—	147	128	147	128
Total	**—**	**—**	**—**	**—**	**150**	**131**	**150**	**131**
Other categories								
Local level	8	8	—	—	222	213	230	221
Total	**8**	**8**	**—**	**—**	**222**	**213**	**230**	**221**
Grand total	**21**	**20**	**—**	**—**	**703**	**656**	**724**	**676**

11.31 The work programme of UNEP is structured along 12 subprogrammes, as reflected in programme 16 of the medium-term plan for the period 1992-1997, as revised (A/47/6/Rev.1). The environment programme provides methodological guidance for environmental assessment and management, promotes cooperation among countries to alleviate common environmental problems and supports environmental education and training. During the biennium 1996-1997, UNEP will continue to give priority attention to environmental management, environmental assessment, coordination and monitoring.

Subprogramme 1
Protection of the atmosphere

11.32 The subprogramme will address the need to protect the atmospheric environment from adverse change induced by human intervention and the requirement for accurate and timely assessments of the impact of climate variability and change on socio-economic systems; ozone layer depletion and its effects; and ambient air quality. The subprogramme aims at promoting and supporting expansion of global networks to monitor air quality, establishing processes to undertake assessments of the state of the atmosphere and promoting legislation to ensure control of emissions that contribute to climate change.

11.33 Actions taken so far include: (a) development of an urban air quality pollution monitoring network in cities with a population of over 3 million; (b) establishment of regional support centres for network users; (c) development of monitoring, assessment and guidelines for urban air monitoring; (d) provision of input to the Global Action Plan for land-based sources of pollution; (e) support to Governments in adopting and implementing controls, including phase-out of wide range of ozone-depleting chemicals; (f) testing and applying climate impact assessment methods through the Intergovernmental Panel on Climate Change; (g) support to secretariat of the Panel and relevant research contributing to its assessments; (h) cooperation

with the secretariat of the Intergovernmental Negotiating Committee in providing climate change information to parties of the Convention on Climate Change; and (i) country studies relating to inventories of sources and sinks and greenhouse gas mitigation strategies to be undertaken in 12 countries, as well as impact studies in Africa, Asia and Latin America.

11.34 During the biennium 1996-1997, the focus will be on actions that are expected to result in (a) progress towards globally applicable and comparable methodologies for national and regional assessments of atmospheric change and its effects; (b) capacity-building in developing countries and the identification of strategies useful in protecting socio-economic development for adverse effects of atmospheric change; (c) improved understanding of atmospheric issues and access to knowledge by Governments and individuals; and (d) identification and undertaking of targeted research and development on atmospheric problems, particularly those of developing countries.

Activities

1. International cooperation

External relations. This would be undertaken in cooperation with governmental and non-governmental organizations and with collaborating centres.

2. Published materials

(a) Eight non-recurrent reports on technical workshops and meetings;

(b) *Technical material*. (i) Three reports on improved and refined methodologies and assessment tools; and (ii) four reports on case-studies and research projects.

3. Information materials and services

(a) Establishment or expansion of three regional/subregional networks and information exchange mechanisms;

(b) Five information material and public awareness activities.

4. Operational activities

(a) *Group training*. Six training modules/courses on institutional strengthening and human resource development;

(b) *Field projects*. Six country study reports, local and national assessments and plans.

5. Coordination, harmonization and liaison

Cooperation with United Nations organizations and specialized agencies such as WMO, UNESCO, IOC, FAO, WHO and UNDP to enhance international action to protect the atmospheric environment by facilitating consensus-building on response strategies, research needs and assessment methodologies related to climate variability and change, protection of the ozone layer and ambient air quality.

Subprogramme 2
Environmental management of freshwater resources

11.35 The primary focus of this subprogramme will be the problems associated with the scarcity of freshwater resources in numerous countries. It is predicted that one third of the world's population will suffer from chronic water shortages by the year 2025. Uneven temporal or geographic distribution of existing freshwater resources does not allow for a sustainable supply, especially in view of ever-increasing human demands. Efforts under this subprogramme will therefore be directed to providing appropriate forums and facilitating discussion and action for identifying, prioritizing and alleviating freshwater issues of global and regional concern.

11.36 Past activities aimed at achieving the objectives of the subprogramme include: (a) the completion, or assistance in implementation of, comprehensive, integrated management action plans for several international freshwater drainage basins (Lake Chad, Aral Sea); (b) initiation of activities for assessing the

state (quantity, quality) of freshwater resources on a global and regional basis, including causative factors for identified problems; (c) initiation of projects to identify, quantify and evaluate impacts of non-point source pollutants on freshwater systems and adjacent coastal waters (Caribbean and East Asia Regional Seas Programmes, East Asian wetlands); and (d) convening of a number of expert groups and/or workshops on drinking-water supply and sanitation, particularly pollution control and drinking-water standards.

11.37 Activities planned for 1996-1997 are expected to lead to (a) increased knowledge and understanding of the nature and extent of the freshwater scarcity and pollution problems, and their causes and impacts, on a global and regional scale; (b) development of adequate environmental management instruments and model frameworks to support policy decisions addressing priority freshwater scarcity and pollution problems; and (c) implementation of integrated, environmentally sustainable management plans for addressing priority freshwater scarcity and pollution problems, also taking into consideration their possible impacts on environmental ecosystems.

Activities

1. International cooperation

External cooperation and collaboration is envisaged with regional bodies (OAS, Mekong Secretariat), donor organizations and collaborating centres.

2. Published materials

Non-recurrent publications. (i) Three diagnostic study reports for priority drainage basins and downstream coastal waters; (ii) two regional reports on priority freshwater issues, problems and causative factors; (iii) comprehensive assessment of the state of global water resources, including supporting documents on specific global freshwater issues, problems and causative factors; (iv) two publications on guidelines for application of environmental management tools and instruments for addressing priority freshwater issues; (v) four publications on specific technical tools for freshwater management and use; (vi) three action plans for integrated, environmentally sustainable management and use of freshwater resources; and (vii) model action plan for environmentally sustainable management and use of freshwater resources and downstream coastal waters.

3. Coordination, harmonization and liaison

Cooperation and coordination with United Nations bodies: Department for Policy Coordination and Sustainable Development, UNCHS, WHO, WMO, FAO, UNICEF, UNESCO, UNDP and World Bank.

Subprogramme 3
Environmental management of terrestrial ecosystems and their resources

11.38 The subprogramme will address the problems associated with unsustainable management of man-made and natural ecosystems, in particular dryland ecosystems and desertification control. The subprogramme will aim at assisting and advising Governments in the formulation and implementation of integrated management of terrestrial ecosystems and their resources for sustainable utilization. It will also contribute to the formulation and implementation of integrated and sustainable management approaches for dryland ecosystems. These efforts will take into account ecological, biophysical, social, economic and cultural factors.

11.39 Actions planned for 1996-1997 are expected to result in (a) enhanced knowledge of the status and trends of terrestrial ecosystems in specific eco-regions of Africa, Asia and the Pacific, Eastern Europe and Latin America and the Caribbean; (b) development and implementation of national and subregional policy frameworks emphasizing integrated ecosystem management in specific eco-regions of Africa, Asia and the Pacific, Eastern Europe and Latin America and the Caribbean; (c) improved international cooperation to solve problems of dryland degradation; (d) development of national policies and action programmes that

will attract and mobilize the human and material resources required to combat desertification successfully; and (e) comprehensive assessment of United Nations system-wide desertification control efforts, their successes and limitations, and improved coordination of reporting on the implementation of Agenda 21, chapter 12, and United Nations Convention to Combat Desertification in those Countries Experiencing Serious Drought and/or Desertification, Particularly in Africa.

Activities

1. International cooperation

External relations. Activities will be carried out in cooperation and collaboration with intergovernmental (OECD) and non-governmental organizations, collaborating centres and the scientific community.

2. Published materials

(a) *Recurrent publications.* (i) Four issues of the *Desertification Control Bulletin*; (ii) a revised *Desertification Atlas*; and (iii) four technical guidelines on integrated terrestrial ecosystems management;

(b) *Non-recurrent publications.* (i) Seven regional and national reports on the state-of-the environment of mountains, wetlands, protected areas, savannah, and rangelands, including a soil and terrain database; (ii) two reports on the status of all types of forest ecosystems; (iii) eight reports on national policy frameworks and action plans for integrated natural resources management linked to productive sectors; (iv) report on implementation/application of economic policy instruments for integrated management of terrestrial ecosystems resources; (v) four integrated management action plans reports for four countries for sustainable natural resources use; (vi) two reports, one on the status and trends of desertification and one evaluation report on world-wide efforts to combat desertification; (vii) five reports on development and application of technologies for effective resource conservation and management; (viii) three reports on saline soils and saline or brackish water, soil resilience and potential dryland plants; and (ix) four studies on integrated natural resources management and sustainable development;

(c) *Technical materials.* (i) Four computer-based decision-support systems to assist in decision-making on sustainable land resource use and ecosystem management; (ii) one collaborative (national research institutes — centres for the Consultative Group on International Agricultural Research — United Nations organizations) software programme to develop sustainable dryland management options for projects under implementation; (iii) one world-wide register/database on "success stories" in desertification control; (iv) establishment of five baseline data sets and benchmarks for monitoring desertification; and (v) tool kits for biodiversity data management.

3. Information materials and services

(a) *Booklets, pamphlets, fact sheets, wall chart, information kits.* Twenty pamphlets and electronic mail bulletins;

(b) *Exhibits and other visual material.* Two exhibitions on desertification control;

(c) *Films and video tapes.* Two video films on biodiversity strategies;

(d) *Radio broadcast materials.* Preparation of material for three radio broadcasts on biodiversity.

4. Operational activities

(a) *Advisory services.* (i) Two drought preparedness strategies; (ii) two refined assessment methodologies on land degradation based on up-to-date technologies and improved indicators (including socio-economic ones) for projects to be implemented under partnership arrangements; (iii) one subregional and six national action programmes initiated or revised according to the provisions (e.g. integrated policies, strategies and legal and economic instruments) set out in the Convention to Combat Desertification and the resolution on the Urgent Action for Africa; (iv) missions to strengthen local-level implementation of sustainable dryland management and desertification control activities; (v) 15 revised country elephant, rhino and tiger action plans and biosphere reserve network assessment; and (vi) 38 revised guidelines for preparation of biodiversity strategies and action plans;

(b) *Group training*. Thirty workshops, experts meetings and professional training courses on capacity-building.

5. Coordination, harmonization and liaison

Reports through the Administrative Committee on Coordination. (i) Three task manager's reports on implementation of chapter 15 of Agenda 21, technical support to convention secretariats (Convention on Biological Diversity, Convention on International Trade in Endangered Species of Wild Fauna and Flora, Convention on Migratory Species of Wild Animals, etc.); (ii) contribution to and participation in the inter-agency task force on the implementation of chapter 12 of Agenda 21; (iii) participation in inter-agency coordination of efforts, cooperation and joint programmes and projects to assist developing countries in the implementation of the Convention to Combat Desertification, including the Joint Facility with UNDP/United Nations Sudano-Sahelian Office; and cooperation and collaboration with United Nations bodies such as FAO, UNESCO, WHO, WMO, UNDP, the World Bank and the regional commissions.

Subprogramme 4
Environmental management of oceans and coastal area management

11.40 The subprogramme will address the need to reduce and control marine degradation, especially from all kinds of land-based activities, and assess the impacts of climate and sea-level changes with a view to fostering improved knowledge and management of marine living resources through integrated coastal area management. Efforts will therefore be directed at assisting States bordering enclosed, semi-enclosed and open seas to protect their coastal and marine areas by improving regional, interregional and global cooperation, by identifying, publicizing and addressing threats through the promotion of progressive development of sustainable national, regional and global programmes, legal and economic policy instruments, and through fostering effective implementation of the provisions of chapter 17 of Agenda 21, the United Nations Convention on the Law of the Sea and other relevant international and regional agreements.

11.41 Action taken so far towards the realization of the objectives of the subprogramme includes (a) the establishment of two new regional seas programmes (Black Sea, North-West Pacific); the revitalization of three others (East Asia, South Asia, Red Sea); and the initiation of one (South-West Atlantic); (b) a regional coordinating unit (East Asia), and a coordinating secretariat (South Asia) were established; (c) the programme for Global Investigation of Pollution in the Marine Environment (GIPME) and the Global Ocean Observing System (GOOS) were co-sponsored; (d) a global Long-Term Monitoring System for Coastal and Near-Shore Phenomena related to Climate Change with seven pilot activities for monitoring specific phenomena and ecosystems was established; (e) protocols have been adopted under regional seas agreements and the possible need for new international law has been under consideration in the process towards a global programme of action on land-based pollution and human activities; and (f) a revision process to revitalize the Marine Mammal Action Plan has been set in motion.

11.42 Activities planned for 1996-1997 are expected to result in (a) a knowledge base upon which management strategies and plans can be formulated and implementation initiated to ensure the protection and sustainable development of marine and coastal areas; and (b) establishment of mechanisms and policy options for the development of environmental protection and sustainable management and plans.

Activities

1. International cooperation

External relations. (i) Liaison with intergovernmental and non-governmental organizations members of the Planning and Coordinating Committee of the Marine Mammal Action Plan; and (ii) cooperation with the Arab League Educational, Cultural and Scientific Organization, the World Conservation Union, the

African Development Bank, IOC, the Regional Organization for the Protection of the Marine Environment, the Permanent Commission for the South Pacific, etc.

2. *Parliamentary documentation*

(a) *Substantive services.* (i) Intergovernmental meeting of the South-East Pacific Action Plan; (ii) second and third meetings of the North-West Pacific Action Plan; (iii) intergovernmental meeting for South Asian Seas Action Plan; (iv) twelfth intergovernmental meeting of the East Asian Seas Region; (v) ministerial meeting on the implementation of the Odessa Declaration; (vi) intergovernmental meeting for the Mediterranean; (vii) strategy meeting for coastal zone management in the Eastern African Region; (viii) meeting of the Intergovernmental Panel for GIPME; (ix) meeting of plenipotentiaries on the Protocol on Hazardous Waste in the Mediterranean; (x) meeting of the Mediterranean Commission on Sustainable Development; (xi) two meetings of the Mediterranean subsidiary committees; and (xii) four meetings of the Bureau of the Mediterranean;

(b) *Technical (secretariat) services.* (i) Meeting of the Steering Committee of the Marine Mammal Action Plan; and (ii) Fifth meeting of the Contracting Parties to the Abidjan Convention;

(c) *Four ad hoc expert group meetings.* (i) Scientific advisory committee of the Marine Mammal Action Plan; (ii) meeting of experts for the Eastern African Region; (iii) two meetings on effects of pollutants; and (iv) meeting of the group of experts of the Programme for Assessment and Control of Marine Pollution in the Caribbean Region.

3. *Published materials*

(a) *Recurrent publications.* (i) The policy options and response measures to mitigate the negative consequences of expected climatic changes on the islands, coastal and marine ecosystems of the Arctic; (ii) strengthening of the consortium of universities for training in the management of marine and coastal resources; (iii) the development and application of appropriate response strategies to eliminate impacts of climate change and sea-level rise; (iv) 16 Mediterranean Action Plan technical reports series; and (v) state of the environment of the Mediterranean;

(b) *Non-recurrent publications.* (i) Two technical guidelines for the implementation of measures for control of pollution in the Mediterranean; (ii) three reports on assessment of vulnerability to sea-level rise; (iii) four studies on implications of climate change on Mediterranean coastal sites; (iv) three regional studies on implications of climate change (Black Sea, Caspian Sea, North-West Pacific Action Plan); and (v) study on climate change in the regional seas around Africa;

(c) *Technical materials.* (i) Establishment of database/information management system for the North-West Pacific Action Plan; (ii) four resource maps and a Geographical Information Systems database for countries in the Eastern African Region; and (iii) three marine databases and information exchange systems in the East Asian Seas Region.

4. *Information materials and services*

Information materials. (i) *Medwaves*, bulletin of the Mediterranean; (ii) one Marine Mammal popular booklet; (iii) brochure on the Mediterranean Action Plan; and (iv) public awareness campaigns on marine and coastal resource management issues.

5. *Operational activities*

(a) *Coordination of the Oceans and Coastal Areas Programmes and initiation of new action plans.* The existing action plans include the Mediterranean Action Plan, Kuwait Action Plan, Caribbean Action Plan, West and Central Africa Action Plan, Eastern African Action Plan, East Asian Seas Action Plan, Red Sea and Gulf of Aden Action Plan, South Pacific Action Plan, South-East Pacific Action Plan, South Asian Seas Action Plan, Black Sea Action Plan and, under preparation, the North-West Pacific Action Plan;

(b) *Group training.* (i) Workshop on the conservation of marine mammals; (ii) workshop related to the implementation of regional seas protocols on specially protected areas; (iii) two training and technical cooperation programmes in support of community initiatives for marine and coastal resource management; (iv) education, training and awareness of partners in sustainable management of marine

and coastal resources; (v) four training materials on measurement of pollution; and (vi) two training courses for oil spill cleaning in the Mediterranean;

(c) *Field projects.* (i) Establishment of four port reception facilities in the Mediterranean; (ii) two field projects on the assessment of threats to marine mammals; (iii) one marine biodiversity assessment; (iv) strengthening of four institutional arrangements for integrated coastal zone planning and management; and (v) 10 projects to assist Mediterranean countries to set up their legislation concerning specially protected areas.

Subprogramme 5
Environmental health, settlements and human welfare

11.43 Efforts under this subprogramme will contribute to enhancing international action in improving the health and quality of life of all peoples through reduction and, where possible, elimination of factors in the environment that pose a threat to human health and welfare. It will also promote minimization, re-use and environmentally sound treatment and disposal of waste and sewage through provision of information strategies, tools and instruments for improved waste management and enhanced capabilities at national and local level for solid and liquid waste management.

11.44 Activities to be undertaken during the biennium 1996-1997 are expected to result in (a) increased knowledge and understanding of risks to human health caused by environmental agents and by global environmental changes; (b) development of institutional and technical capabilities for implementing environmental health strategies and action plans; (c) enhanced knowledge and information about the interaction between human settlements and the environment; (d) improved management capacity of Governments for environmentally sustainable human settlement development; (e) development of a conceptual basis for urban waste management; and (f) development of municipal solid waste database and information systems.

Activities

1. Published materials

(a) *Recurrent publications.* (i) Sustainable Cities Programme; (ii) on regional training seminars for minimization, re-use and environmentally sound disposal of waste and sewage; and (iii) on environmental management for vector control;

(b) *Non-recurrent publications.* (i) Case-studies on environmentally safe use of wastewater for agriculture; (ii) report on environment-health data linkages; (iii) report on quantitative assessment of waste and sewage; (iv) three technical guidebooks for minimization, re-use and environmentally sound disposal of wastes and sewage; (v) research report on effects of multiple exposures; (vi) two reports on health and environmental effects of ultraviolet radiation; (vii) four reports on meetings on environmental health; and (viii) report on early warning system for cholera;

(c) *Technical materials.* Database information system on safe disposal of solid wastes.

2. Operational activities

Advisory services. Provision of technical services to countries, including recommendations for national action plans for minimization, re-use and environmentally sound disposal of waste and sewage.

3. Coordination, harmonization and liaison

These activities would be undertaken in cooperation with WHO, Habitat, FAO, UNDP, UNIDO and the regional commissions.

Subprogramme 6
Environmental economics, accounting and management tools

11.45 The subprogramme, in collaboration with United Nations organizations and international and national research institutions, aims at promoting the further development and application integrated environmental and economic analysis instruments, as well as national, regional and international programmes and policies for sound environmental management and sustainable development. It will also ensure that trade and environment are kept mutually supportive, towards the goal of sustainable development.

11.46 Actions planned for 1996-1997 are expected to result in (a) an enhanced knowledge of the socio-economic and environmental implications of activities, programmes and policies, and of international issues such as debt, aid, consumption and production patterns on the environment; (b) enhanced knowledge and capacity of developing countries and countries in transition to identify linkages between international policies and the environment, and to develop approaches, policies and strategies to make them mutually supportive for sound environmental management and sustainable development; and (c) further developed and tested methodologies for the practical use and application of economic policy instruments, environmental impact assessment, valuation methodologies and environmental and natural resource accounting as effective tools for incorporating environmental considerations in development planning and decision-making and environmental management.

Activities

1. Published materials

Non-recurrent publications. (i) Assessment of the socio-economic and environmental impacts of development activities programmes and policies; (ii) the impact of policy failures on the environment and measures required to enhance international economic and environmental cooperation; (iii) the valuation of environmental and natural resources; (iv) three workshop proceedings and a guideline document on the use and application of environmental resource accounting; (v) the use and application of economic instruments, including barriers to their introduction and border effects; (vi) one integrated socio-economic and environmental development model for environmental management and sustainable development to be used as a point of reference for the development of country-specific models; (vii) 10 country case-studies on the use and application of valuation methodologies, environmental resource accounting, economic instruments and environmental impact assessment; and (viii) six reports on case-studies and research projects.

2. Operational activities

Group training. (i) Ten comprehensive education, training and other capacity-building materials, for use at national and regional levels; and (ii) six technical workshops to review those materials.

3. Coordination, harmonization and liaison

Cooperation with the Department for Economic and Social Information and Policy Analysis, UNCTAD, WTO, UNDP and the regional commissions.

Subprogramme 7
Toxic chemicals and waste management

11.47 The subprogramme will address the problems arising out of the use of chemicals in developing countries. Its objective is to provide practical information, advice and assistance to countries and agencies concerning cost-effective and environmentally sound options for the avoidance and management of hazardous wastes from all sources. Efforts will also be made to help increase the capacities of nations to assess and manage risks posed by chemicals and to adopt risk reduction activities as appropriate.

11.48 Actions planned for 1996-1997 are expected to result in (a) better knowledge, understanding and information about hazardous waste problems and about strategies, policies and instruments concerning the

management of hazardous wastes; (b) development of strategies, policies and instruments for Governments, industry and other generators or operators in hazardous waste management; (c) reduced environmental health impact as a result of improved management and control of hazardous waste from all sources; (d) development of necessary methodologies for assessing risks involved with chemicals to be made available to Governments and others involved as a basis for management action; and (e) identification of possible strategies, policies and instruments as options for chemicals management in individual countries.

Activities

1. International cooperation

(a) *External relations*. Cooperation with OECD, industry groups and associations, as well as waste management associations and non-governmental organizations, including professional societies;

(b) *Promotion of legal instruments*. Convention on the implementation of the prior informed consent procedure, and dissemination of 15 decision-guidance documents and listings of import responses for the prior informed consent procedure.

2. Parliamentary documentation

Reports to the Commission on Sustainable Development. (i) Global trends and activities in chemical information management and chemical risk assessment; and (ii) global trends and activities in hazardous waste.

3. Published materials

(a) *Non-recurrent publications*. (i) Exposure assessment tools applicable for countries in different subtropical regions; (ii) critical chemical reviews and chemical databases; (iii) implementation of risk-reduction measures, including promotion of actions in response to critical chemical issues at global level; (iv) publications on waste management options, technical and legal instruments, and guidelines for specific waste streams, waste-generating sectors and operators; and (v) publications on appropriate methodologies, policies and procedures for management of hazardous waste, and conduct of awareness and promotional activities to encourage wider use of those tools;

(b) *Technical material*. (i) Maintaining relevant databases and other information systems concerning hazardous waste generation, treatment technologies and regulatory and other instruments; (ii) four updated PC-version of the database of the International Register of Potentially Toxic Chemicals and distribution of subsets thereof; and (iii) establishment of one regional information network.

4. Operational activities

(a) *Advisory service*. Maintain query-response service for chemical-related queries, in cooperation with regional offices and information networks;

(b) *Group training*. Ten subregional training seminars on aspects related to sound chemical management, including use of information networks in national/regional chemical management and implementation of the London Guidelines and prior informed consent.

5. Coordination, harmonization and liaison

Cooperation with the Commission on Sustainable Development, WHO, ILO, UNIDO, the World Bank, UNDP, FAO, IMO, IAEA and the regional commissions.

Subprogramme 8
Industry, energy and the environment

11.49 Efforts under the subprogramme will aim at facilitating and catalysing the development and implementation of preventive strategies, policies, instruments, technologies and management tools that promote cleaner, safer and sustainable production patterns.

11.50 Actions planned for 1996-1997 are expected to result in (a) greater awareness and understanding of current and emerging trends in industry production patterns, their environmental impacts and the barriers and opportunities to cleaner and safer production patterns; (b) development and dissemination of strategies, policies, instruments, management tools and technologies that promote sustainable production patterns; (c) implementation of appropriate strategies, policies, instruments, technologies, management tools and practices, through capacity-building, education and training, and demonstration activities; (d) mitigation of the effects of industrial pollution on human health and the environment and reduction of accidents; (e) increased information flow and informed decision-making on environmentally sound technologies; (f) enhanced capability in developing countries on environmentally sound technologies; and (g) internationally coordinated actions for the facilitation of international transfer of environmentally sound technologies and their use.

Activities

1. International cooperation

External relations. Cooperation with international organizations (for example, OECD), industry groups and organizations, and non-governmental organizations.

2. Published materials

(a) *Recurrent publications. Industry and Environment Review*;

(b) *Non-recurrent publications.* (i) Environmentally sound technology; (ii) potential barriers hindering international transfer of environmentally sound technologies; (iii) socio-economic and environmental impacts of energy and sharing of the emerging issues with countries; (iv) cooperation and activities on energy among stake-holders; (v) two case-studies on energy, policy and environment and recommendations on an action plan; (vi) three case-studies on barriers applicable to specific energy tools and development of strategy to enable countries to overcome the barriers; (vii) energy, economic instruments and tools for attaining environmental goals, including recommendation on global action; (viii) energy and technology needs and action plans for adoption of relevant technologies; (ix) environment aspects of transportation and environment; (x) environmental and socio-economic impacts of transportation and transport systems; (xi) gaps in knowledge on environmental aspects of transportation and the environment; (xii) existing studies on impacts of transportation on the environment; (xiii) case-studies on success and failure in integrating environmental aspects into transport planning; (xiv) case-studies on policy decisions relating to transportation and planning, especially land use; and (xv) research on environmental and socio-economic impacts of transportation and alternative technologies and policies;

(c) *Technical materials.* (i) Query-response service; (ii) two database systems (International Cleaner Production Information Clearing House and emissions standards database); and (iii) database on energy and environmental issues.

3. Operational activities

(a) *Advisory services.* (i) Technical advisory services for 10 countries: (2 each from Asia and the Pacific, Western Asia, Africa, Eastern Europe and Latin America and the Caribbean regions); and (ii) technical and financial assistance for strengthening national environmental research and development institutions in 5 countries, to function as regional centres of excellence;

(b) *Group training.* Eight workshops/symposia to build capacity, develop policies, strategies, instruments and management tools, exchange information and raise awareness of issues under the subprogramme;

(c) *Field projects.* Support existing centres and catalyse creation of six UNIDO/UNEP National Cleaner Production Centres.

4. Coordination, harmonization and liaison

Cooperation with UNIDO, ILO, the World Bank, UNDP, WHO, IMO, FAO, UNESCO, IAEA and the regional commissions.

Subprogramme 9
Earthwatch: data, information assessment and early warning

11.51 Efforts under this subprogramme will aim at enhancing knowledge about the state of the environment for improved decision-making and action planning for sustainable human development through (a) identification of emerging issues and priorities for international, regional and national sustainable development action; (b) provision to the world community of improved access to meaningful environmental data and information; and (c) assistance to Governments to strengthen their capacity to use environmental information.

11.52 Actions planned for 1996-1997 are expected to result in (a) improved functioning of mechanisms identifying emerging environmental issues of regional and global significance; (b) improved and informed international priority-setting, decision-making and resource allocation in a selected number of environmental issue areas; (c) improved international cooperation in assessment and reporting on the state of and trends in environment and development interactions; (d) international acceptance of conceptual frameworks, methods, indicators and strategies to assess and report on environment and development, on progress made towards sustainable development and on likely consequences of proposed policies and processes; and (e) enhanced capacity at national and regional levels for informed decision-making in developing countries and countries in transition.

Activities

1. International cooperation

External relations. Cooperation with national institutions and ministries of environment, subregional, regional and international organizations, bi- and multilateral donor and technical agencies, development banks, non-governmental organizations and scientific institutions.

2. Published materials

(a) *Non-recurrent publications.* (i) Five technical reports examining and explaining the new assessment and reporting methodologies, environment-development cause-effect relationships, emerging issues and risk assessment for early warning; (ii) source book on state-of-the-environment reporting; (iii) first issue of the biennial *Global Environment Outlook*; (iv) support to the production of two global assessments: the *1996-1997 World Resources Report* and the *Earth Report*, and reporting data management technology transfer; (v) integrated sustainable development report for Latin America; (vi) five sectoral assessments reports; (vii) two thematic data reports; and (viii) directories of environment assessment data, databases and institutions: Africa, Asia and the Pacific (revision), Eastern Europe, Latin America and the Caribbean and West Asia;

(b) *Technical material.* (i) Database of sustainable development indicators; (ii) one regional digital state-of-the-environment database: Africa (Phase 1); (iii) one revised regional digital state-of-the-environment database: Asia and the Pacific; (iv) one environment resource information system with data references to GRID data and to institutions holding environmental data; and (v) 25 new and derived datasets.

3. Information materials and services

Informational materials. (i) Six descriptive brochures on institutional capacity-building and servicing activities in Africa, Asia and the Pacific, Eastern Europe, Latin America and the Caribbean and West Asia, and a global overview; and (ii) two descriptive booklets on environment and natural resource information networks for environment assessment: Africa and Asia and the Pacific.

4. Operational activities

(a) *Advisory services.* (i) Five regional cooperative environment assessment and reporting networks for Africa, Asia and the Pacific, Eastern Europe, Latin America and the Caribbean and West Asia; and (ii) establishment of five new GRID-compatible centres;

(b) *Field projects.* Twelve technical assistance field projects for data management capacity-building in institutions participating in cooperative environment assessment networks: three in Africa, five in

Asia and the Pacific, one in Eastern Europe, two in Latin America and the Caribbean and one in West Asia.

5. *Coordination, harmonization and liaison*

Cooperation with WHO, UNDP, the World Bank and the regional commissions.

Subprogramme 10
Capacity-building for environmentally sound and sustainable development

11.53 The subprogramme will address the problems associated with (a) the lack of fully developed and coherent policies and coordination in the field of environment and sustainable development; (b) the lack of sufficient external integration of environmental policies; and (c) the lack of fully explored systems of resource mobilization. The objectives of the subprogramme include (a) promoting environmentally sound and sustainable development policies at the national, regional and global levels; (b) improving coordination of the environmental policies and programmes of the United Nations system; (c) encouraging information exchange, policy dialogue and enhanced concern for the environment in and among multilateral developing financing institutions; (d) linking global and local environmental concerns and short- and long-term policy objectives; and (e) strengthening institutional arrangements for managing the global environment and national policy development.

11.54 Actions planned for 1996-1997 are expected to lead to (a) achieving improved and increased knowledge, insight and effective application and integration of environmental concerns in the policies and programmes of Governments, United Nations organizations, international financial institutions, major groups and UNEP; (b) contributing to the ongoing debate on societal driving forces of global change; and (c) promoting increased global and national benefits by understanding the relationships among consumption patterns, population, employment and poverty.

Activities

Published materials

Non-recurrent publications. (i) Evaluation of six key theoretical and methodological issues and definition of a research agenda; (ii) six research papers relevant to decision makers; (iii) four case-studies on patterns of resource use in different activities, areas, countries and regions; (iv) two policy option papers for changing ongoing trends in the short- and long-term, including implications for national economies as well as for trade and competitiveness; (v) five periodic analysis papers on overall UNEP policy; and (vi) five papers on sectoral and cross-sectoral policies taking into account the development perspective.

Subprogramme 11
Environmental law, institutions and policies

11.55 Efforts under this subprogramme will be directed at (a) promoting international consensus through the coherent development of international legal instruments, including pioneering and promoting the development of new legal instruments, emphasizing their effective implementation and compliance; (b) the progressive development of international environmental law, in particular, concepts, requirements and implications of sustainable development and international law; and (c) further strengthening UNEP's technical, legal and institutional assistance for development of national environmental legislation, legal training and information dissemination, in order to meet the new requirements of capacity-building envisaged in Agenda 21.

11.56 Actions planned for 1996-1997 are expected to result in (a) formulation of concepts and main components of international law for sustainable development; (b) increased efficiency and expanded scope of

international environmental legal regimes to facilitate a uniform, coordinated behaviour of States in relation to environment and sustainable development; (c) strengthened legal and institutional regimes for environmental management for sustainable development in selected developing countries and countries with economies in transition; (d) enhanced capacity of government officials in the area of environmental law and policy to enable them to make a more effective contribution to sustainable development; and (e) enhanced access, especially among developing countries, to information on environmental law, policy and institutions.

Activities

1. International cooperation

Promotion of legal instruments. (i) Preparation of three documents for further advancing the process of negotiation of international legal instruments with regard to land-based sources of pollution, freshwater resources, illegal trade in wildlife and wildlife products; and (ii) preparation of eight packages to assist developing countries effectively to implement seven global agreements (Ozone, Basel, the Convention on Migratory Species of Wild Animals, the Convention on International Trade in Endangered Species of Wild Animals, Biodiversity, Climate Change and Desertification), and one regional agreement (Lusaka Agreement).

2. Published materials

(a) *Recurrent publications*. Four environmental law monographs, four bulletins and four registers;

(b) *Non-recurrent publications*. Six background papers on global agreements.

3. Operational Activities

(a) *Advisory services*. (i) Assistance to develop two graduate/post-graduate programmes on environmental law in universities of selected developing countries; (ii) 30 need assessment reports, work plans and draft framework and sectoral environmental laws; (iii) six draft legislative texts for implementation of environmental agreement and conventions; and (iv) six models of legislation on environmental impact assessment and waste management, and guidelines for their implementation;

(b) *Group training*. One global, six regional and four national training programmes in environmental law and legislation.

4. Coordination, harmonization and liaison

Coordination with the legal offices of the United Nations and the specialized agencies.

Subprogramme 12
Support to and cooperation for environmental action (including global and regional cooperation)

11.57 This subprogramme aims at (a) raising awareness of environmental issues and facilitating exchange of environmental information within countries and among nations and peoples; (b) promoting environmental education and training for sustainable development; (c) enhancing the environmental capabilities of developing countries and countries in transition for decision-making in their pursuit of sustainable development; and (d) helping achieve a measure of environmental literacy for all, through sustainable development education.

11.58 Major activities to be undertaken during the biennium 1996-1997 are expected to result in (a) increased awareness and understanding of environmental and sustainable development issues, active public participation in addressing those issues; (b) efficient dissemination of technical and public information in appealing formats that meet specific user requirements in different regions and an effective UNEP query-response service in place; (c) enhanced national/regional information exchange capacity, especially in developing countries and countries in transition; (d) better understanding of and support for UNEP activities in the areas of programme concentration by Governments, major groups and the public at large;

(e) introduction of environmental ethics, change of lifestyles and unsustainable consumer patterns; (f) enabling INFOTERRA national focal points to play an effective role in the provision of sustainable development information to decision-makers; (g) development of curricula, methodologies and material to promote both specialized environmental training and integrated environmental management as a new discipline; (h) regional action programmes for South-South collaboration for capacity-building; and (i) better educational policies and strategies that truly incorporate environmental and development concerns.

Activities

1. International cooperation

External relations. Cooperation with about 170 INFOTERRA national focal points, regional organizations, business, media, intergovernmental and non-governmental organizations and major task groups, the general public, donor agencies, training institutions and relevant ministries in national Governments.

2. Parliamentary services

Ad hoc expert group meetings. Five regional intergovernmental forums on South-South collaboration for environmental capacity-building.

3. Published materials

Recurrent publications. *Connect* newsletter in eight languages.

4. Information materials and services

(a) *Information materials*. (i) One hundred UNEP promotional materials, brochures, pamphlets, calendars, greeting cards, posters, operational tools, *UNEP Update*, *Gigiri Gazette*; (ii) eight guidelines and action plan on sports and the environment; and (iii) 150 media services, including press releases, features, fact sheets, articles, statements, press conferences and media campaigns;

(b) *Films and video tapes*. Seventy audiovisual production, radio scripts and programmes, exhibitions/displays, digital information (CDs);

(c) *Special events*. Twenty-five improved and coordinated programmes of promotion and United Nations/UNEP special events, days and years, including the World Environment Day, the UNEP Sasakawa Prize, Global-500 and goodwill ambassadors, including production of media kits, posters and newsletters.

5. Operational activities

(a) *Advisory services*. Strengthening environmental training and comprehensive capacity-building;

(b) *Group training*. (i) Training courses in integrated environmental planning and management; (ii) one global and 3 regional environmental management seminars; (iii) capacity-building, including training of 40 regional information officers, media people, national focal points expanding video and audiovisual resource training centres in developing countries and countries in transition; (iv) 44 "train-the-trainer" workshops; (v) 10 subregional seminars and workshops; (vi) 3 international meetings and symposia on sustainable development education; (vii) 5 environmental education policy and strategy workshops; and (viii) 20 formal and 20 non-formal educational materials for world-wide distribution in different languages;

(c) *Field projects*. (i) Five experimental pilot projects in sustainable development education; and (ii) technical support to 20 national educational projects in sustainable development education.

6. Coordination, harmonization and liaison

Coordination with the Department of Public Information and information services of the specialized agencies; contribution to meetings of the Joint United Nations Information Committee.

Resource requirements (at current rates)

Posts

11.59 The estimated requirements of $3,195,500 relate to 12 Professional and 8 Local level posts. One P-5 post of Energy Expert, which will no longer be required, is proposed for abolition.

Consultants and experts

11.60 The estimated requirements under this heading ($130,400) relate to the fees of consultants who would be required to prepare various reports ($96,400) and for the convening of expert group meetings ($34,000).

Travel

11.61 The estimated requirements under this heading ($40,000) relate to official travel of staff in connection with the programme of work, as reflected under the different subprogrammes.